

SEQUENCE LISTING

RECEIVED

SEP 2 3 2002

TECH CENTER 1600/2900

```
<120> GENETIC ENGINEERING OF COTTON TO INCREASE FIBER
     STRENGTH, WATER ABSORPTION AND DYE BINDING
<130> 1483-R-00
<140> 09/251,638
<141> 1999-02-17
<150> 60/074,997
<151> 1998-02-17
<160> 25
<170> PatentIn Ver. 2.1
<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 1
Val Pro Gly Val Gly
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<210> 2
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Gly Val Gly Val Pro
<210> 3
<211> 605
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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
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Gly Val Pro Gly Val Gly Val Pro 315 Gly Val Gly Val Pro Gly Val 345 340

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Gly Val Pro Gly Val Gly Val Pro Gly Val Pro Gly Val Gly
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly
Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val
Gly Val Pro Gly Val Gly Val Pro Gly Val Pro Gly Val Gly
       435
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
465
Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
   530
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
<210> 4
<211> 100
<212> PRT
<213> Artificial Sequence
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<400> 4

<223> Description of Artificial Sequence: Synthetic

<220>

peptide

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro 65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro 100

<210> 5

1

<211> 605

<212> PRT

<213> Artificial Sequence

<220>

<221> repeat_unit

<222> 1..605

<223> Repeats at least once

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 5

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly

1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val 20 25 30

Gly Val Pro Gly Val Gly Val Gly Val Gly Val Gly Val Gly 35 40 45

Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly Val 50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro 65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly 85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly 115 120 125

Val Pro Gly Val Gly Val Pro 155 Gly Val Gly Val Pro Gly Val Pro Gly Val Pro Gly Val Gly Val Pro Gly 410 Val Gly Val Pro Gly Val Pro Gly Val Gly Val 450 455 460

 Pro 465
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 Pro 470
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